

# **LINUX ADMINISTRATIONG AND TROUBLESHOOTING**

## **FOUR DAYS**

### ***Description***

This course offers an in depth examination of key concepts in Linux implementation, support and administration. The course incorporates the Disaster Lab - an opportunity to learn troubleshooting on a live Linux system.

### ***Topics***

- Linux security: theory, precautions, techniques
- File system internals and implementation
- File system geography: configuring the Linux file system for maximum efficiency
- Introduction to operating system internals
- Process management in the multi-tasking environment
- Supporting terminals, printers and other devices
- System startup and shutdown
- Introduction to performance tuning and kernel configuration
- User management
- Logging and accounting
- Backup and restore
- Application and package management
- Administration techniques and tools
- Discussion of advanced support and administration scenarios

### ***Audience***

This course is designed for technical personnel who have responsibility for installing, operating, administering or managing a Linux system. Technical support staff, programmers, and software developers will all benefit from this course.

### ***Prerequisites***

The student should have taken an Introduction to Linux course or have equivalent experience. The UNIX Shell Programming course or equivalent experience is recommended.